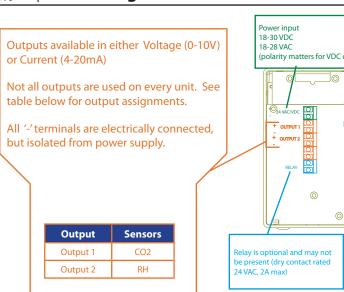
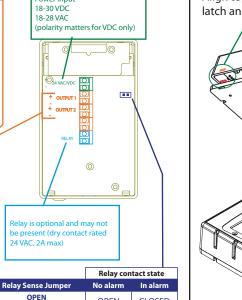


sure cover.





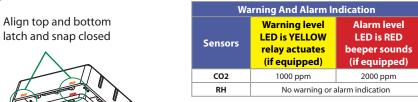
CLOSED

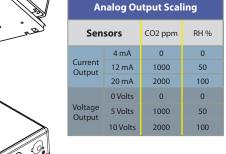
OPEN

OPEN

CLOSED

szss20@163.com





Once lid closed, insert set-screws to secure enclosure cover.

Requires 1/16"Allen wrench.

Calibration-Kit

Junction box is for illustration purposes:

not included with sensor

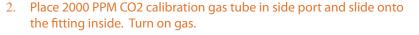


Your sensor comes factory-calibrated and does not need to be calibrated upon initial installation. Calibration kits are available.

CO2 Calibration Procedure

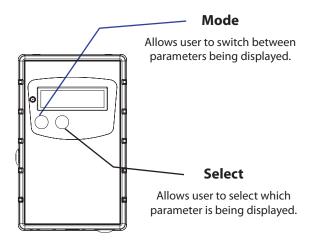


CLOSED

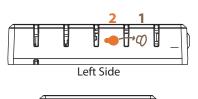


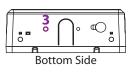
- Allow calibration gas to flow for one minute, then use a 1/16" allen wrench (or equivalent) to depress switch (inside hole 3 at left) for 5 seconds. LED will blink yellow.
- 4. After **5 minutes** the LED will **blink green.** The calibration process is completed.
- Press and hold switch (labeled 3 at left) to accept calibration. The LED will turn solid green after only a few seconds, indicating that calibration is complete.
- 6. At this point it is safe to turn off gas and remove gas tubing from calibration port.
- 7. When calibration is complete, replace dust cover on gas calibration SUNSTAR自动化 http://www.sensor-portom/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL: szss20@163.com

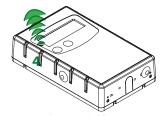
Liquid Crystal Display (if equipped)



Models reporting only CO2 (with out RH option) will not be equipped with 'Mode' and 'Select' buttons.







Isometric View

Introduction

The 350CO2 Series is a non-dispersive infrared analyzer for measuring environmental CO2 concentration in ventilation systems and indoor living spaces. Its measurement range of 0 - 2000 ppm (parts per million; 1000 ppm = 0.1%) covers the range required to monitor compliance with ASHRAE or other ventilation efficiency standards. The 350CO2 comes configured for:

Dimensions

- Wall or duct-mounting;
- Voltage or 4-20mA outputs

Options include:

- No or NC relay;
- Liquid-Crystal Display (LCD);
- Alarm:
- RH sensor

A simple one-point calibration procedure and a built-in calibration port that requires no special fittings or adapters make the 350CO2 simple to operate and maintain.

Displays and Indicators

The 350CO2 Series includes a single tri-color LED on the front panel which illuminates whenever the unit is operating. This LED indicates:

- Green -> all sensor/s at normal levels
- Yellow -> one or more sensors at Warning levels
- Red -> one or more sensors at Alarm level
- Blinking Red -> one or more sensors have failed

The display option adds a 4 digit liquid crystal display (LCD) to the front panel. The display shows the measured:

- CO2 concentration in parts per million (ppm)
- Relative Humidity in %

Overall Specification		
Parameter	Value	
Power Requirements	18 - 30 VDC or 18 - 28 Vrms AC	
Power Consumption	2.5 VA (with out VOC sensor)	
	4 VA (with VOC sensor)	
Operating Temperature Range	0 - 50 °C	
Operating Humidity Range	0 - 99% RH, non-condensing	
Voltage Output (linear)	0 - 10 VDC full-scale standard	
Optional Current Output (linear)	4-20 mA R_{LOOP} < 600 Ω	
Storage Temperature	-10 to 60 °C	

4.5 x 2.8 x 0.9 inches

CARBON DIOXIDE SENSOR (CO2)	
Parameter	Value
Operating Principle	Non-dispersive infrared (NDIR)
Gas Sampling Method	Diffusion
Measurement Range	0-2000 ppm (Other ranges available by request)
Repeatability	± 20 ppm CO2
Measurement Accuracy	\pm 30 ppm \pm 2% of reading, whichever is greater
Recommended Calibration Interval	5 years
Warm Up Time	Less than 1 minute
Calibration	ONE Point : Single-button calibration (Patented)

RELATIVE HUMIDITY SENSOR (RH)	
Parameter	Value
Operating Temperature	0 to 50 °C
Measurement Range	0 to 99 % RH
Recovery time after 150 hours of condensation	10 Seconds
Humidity Hysteresis	± 1 % RH
Recommended Calibration Interval	Does not need calibration







REV 8/23/11









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